

REPAIR

WIRING DIAGRAM

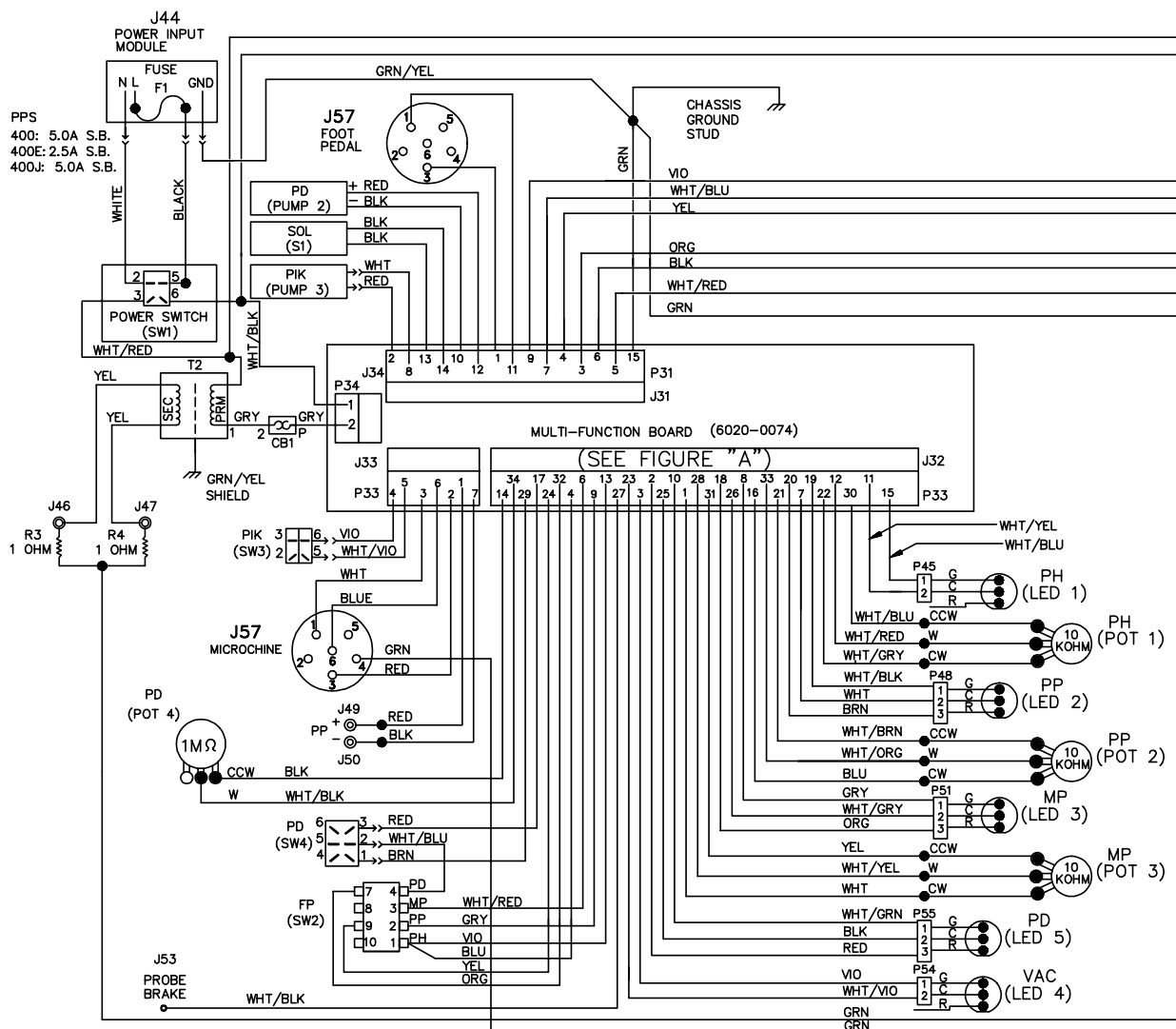
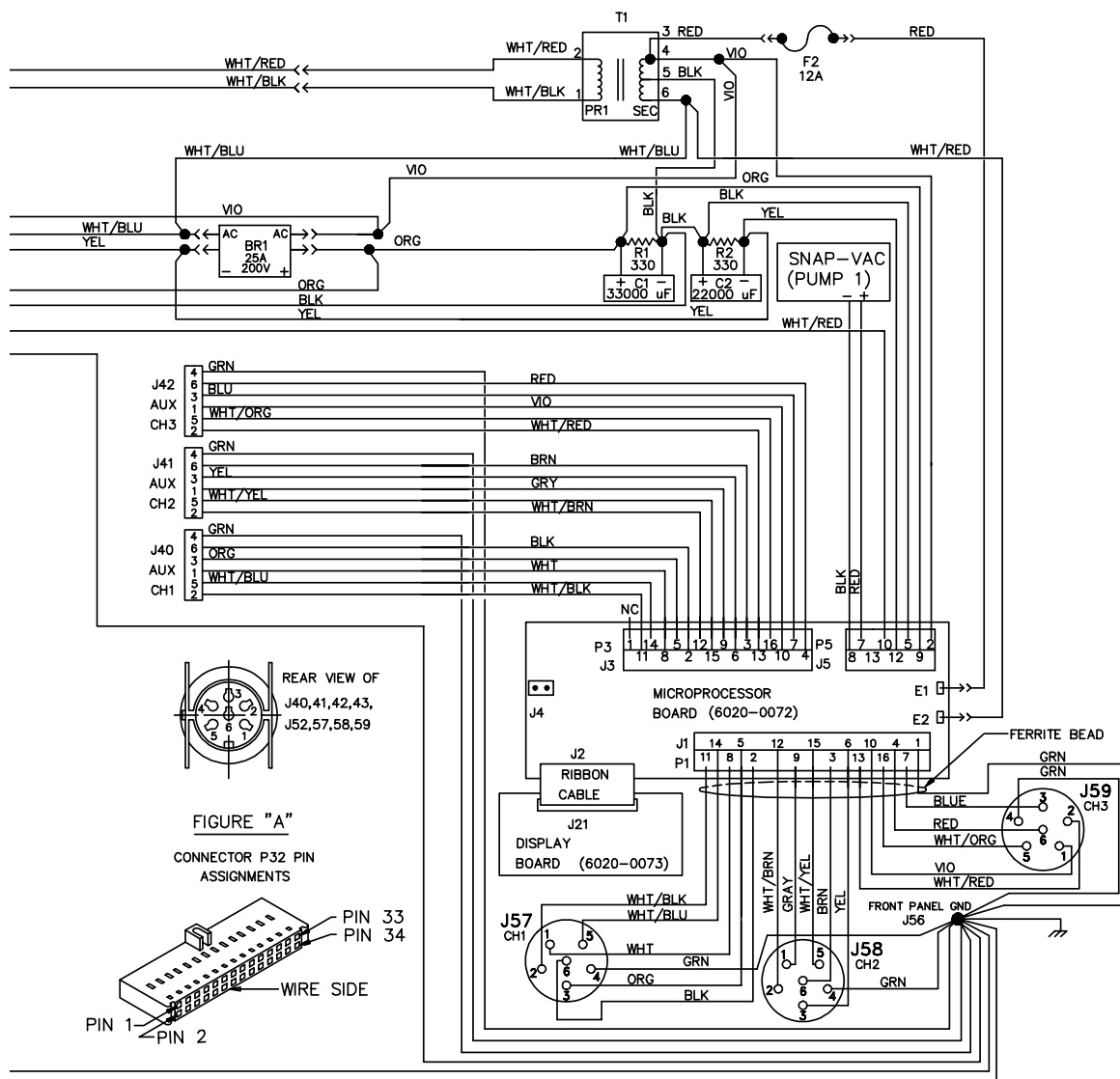


Figure 22. PPS 400, PPS 400J, PPS 400E Wiring Diagram



MULTIFUNCTION PCB ASSEMBLY SCHEMATIC

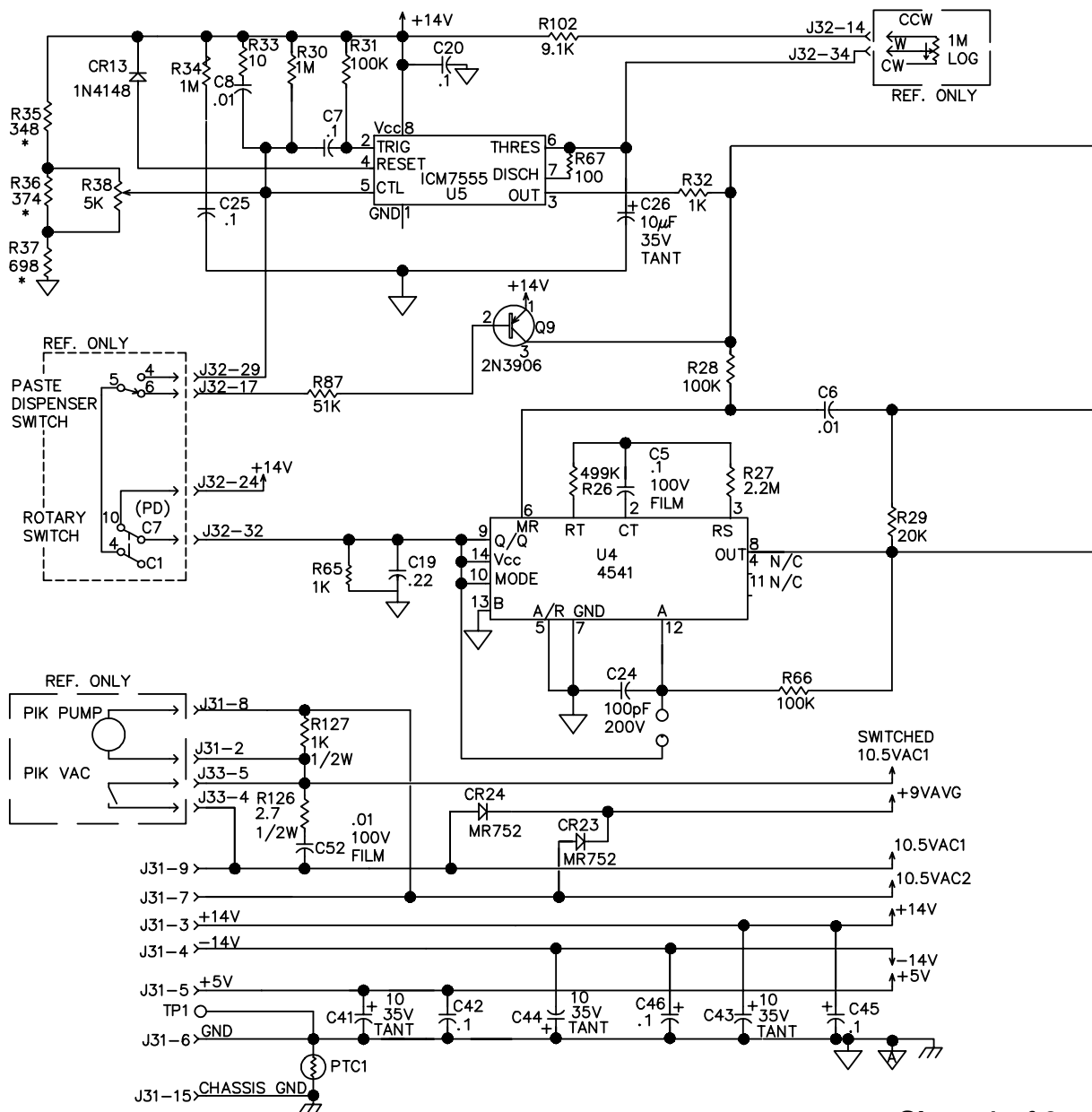
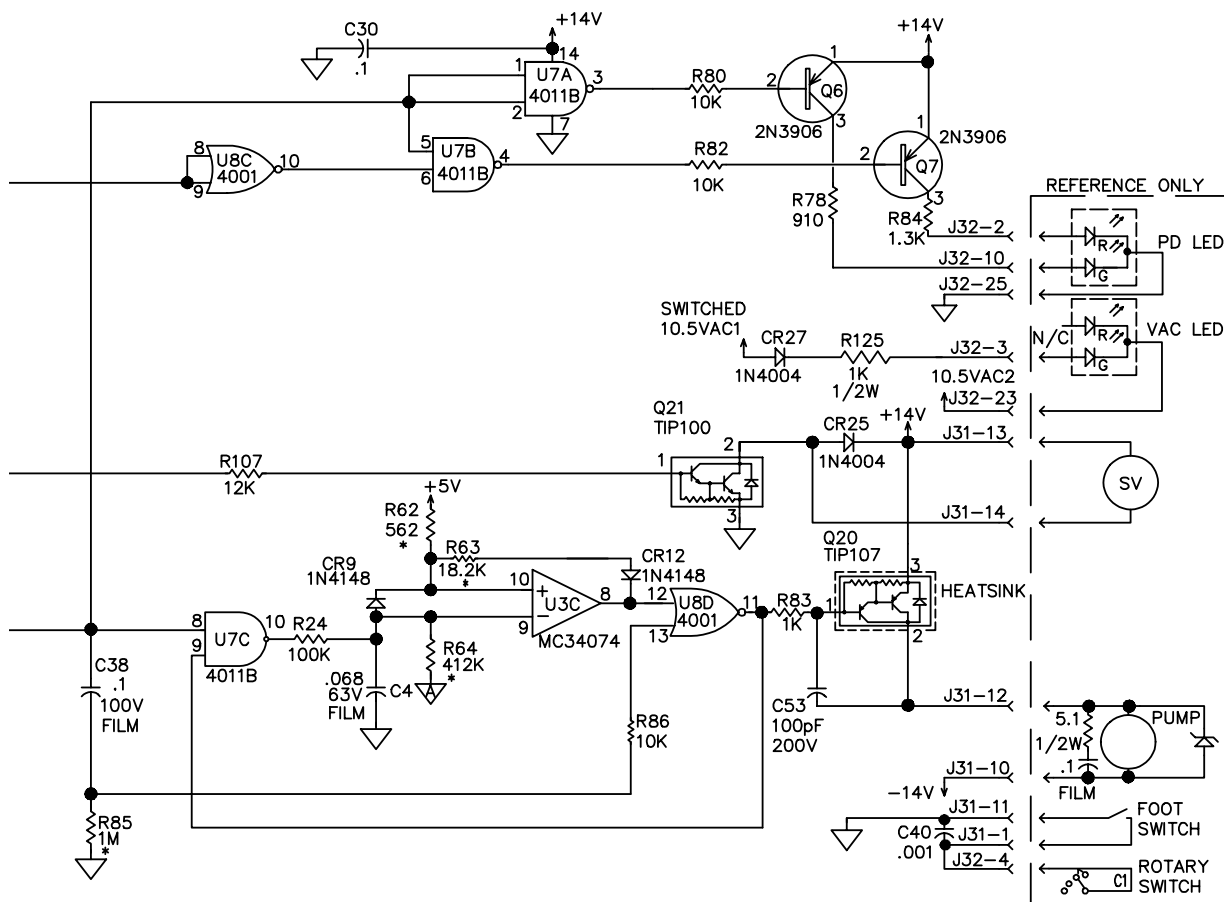


Figure 23. Multifunction PCB Assembly Schematic



NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR VALUES ARE IN OHMS
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/4W 5% CARBON FILM
3. * DENOTES 1/8W 1% METAL FILM RESISTOR.
4. UNLESS OTHERWISE SPECIFIED, ALL CAPACITOR VALUES ARE IN MICROFARADS.
5. UNLESS OTHERWISE SPECIFIED, ALL CAPACITORS ARE CERAMIC, 50V MIN.

LAST USED	NOT USED
C53	
CR27	
J34	J1-J30
MOV1	
Q25	
R128	
TP1	
U10	

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MULTIFUNCTION PCB ASSEMBLY SCHEMATIC CONT'D

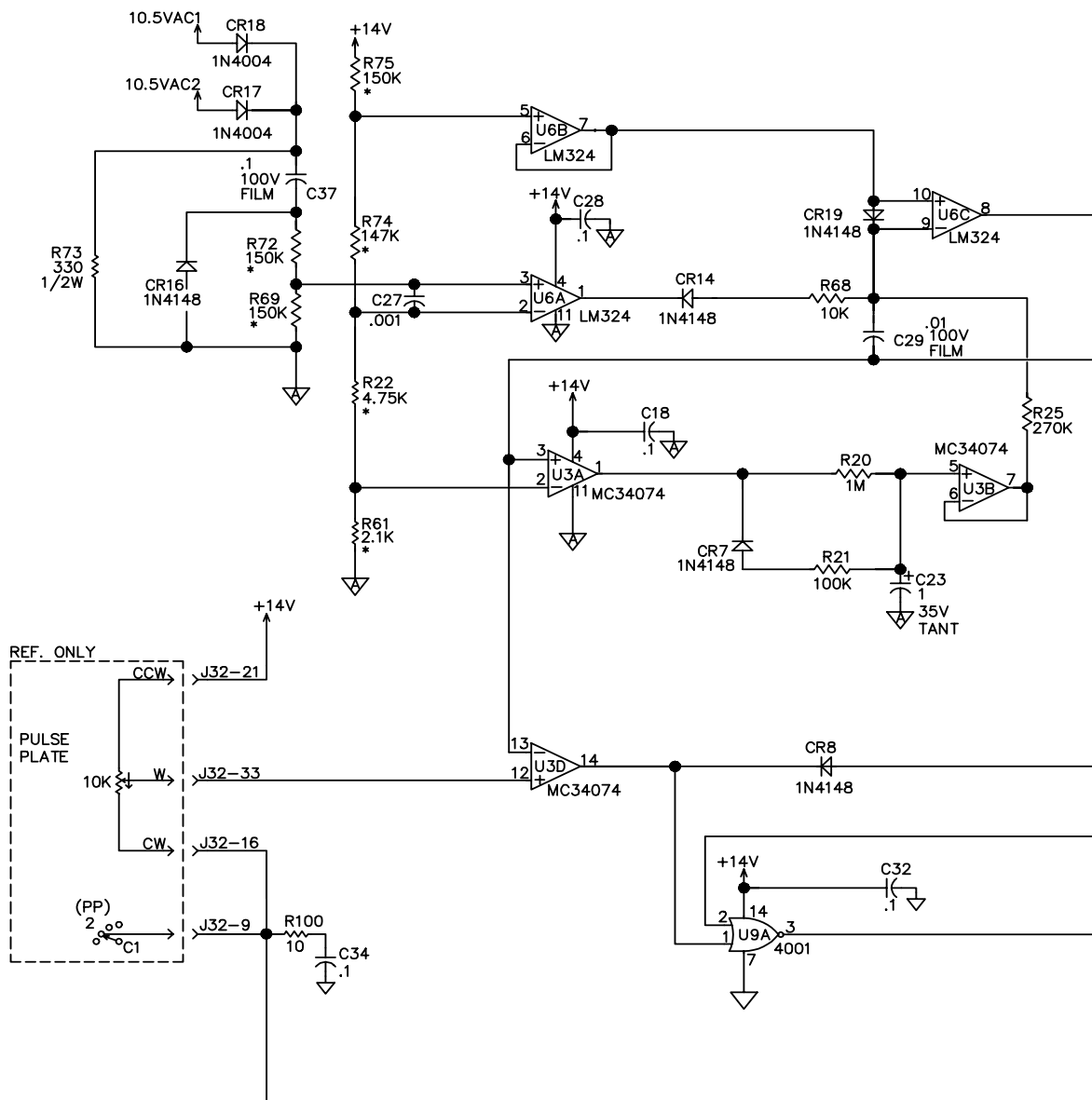
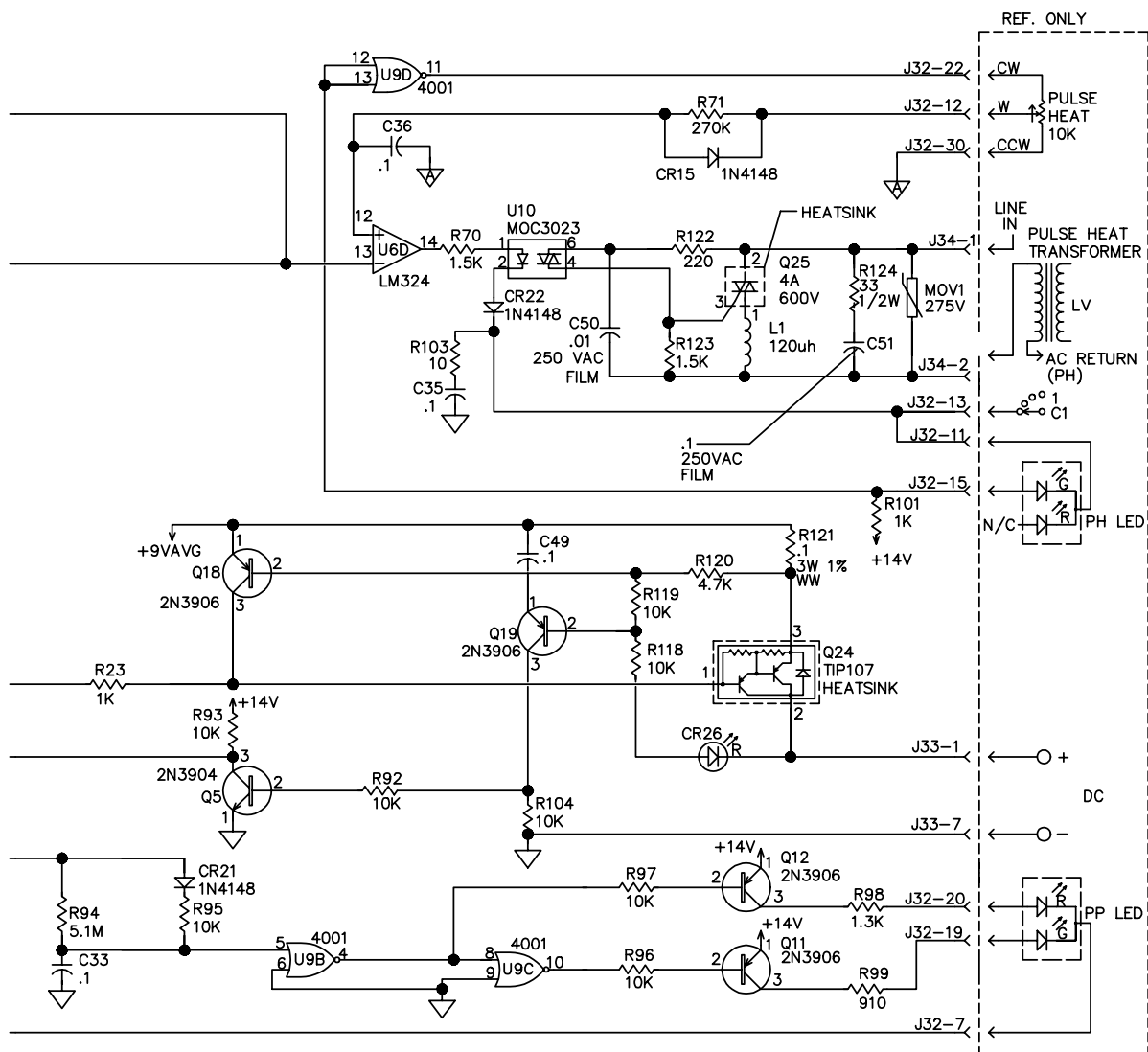


Figure 23. Multifunction PCB Assembly Schematic Cont'd



MULTIFUNCTION PCB ASSEMBLY SCHEMATIC CONT'D

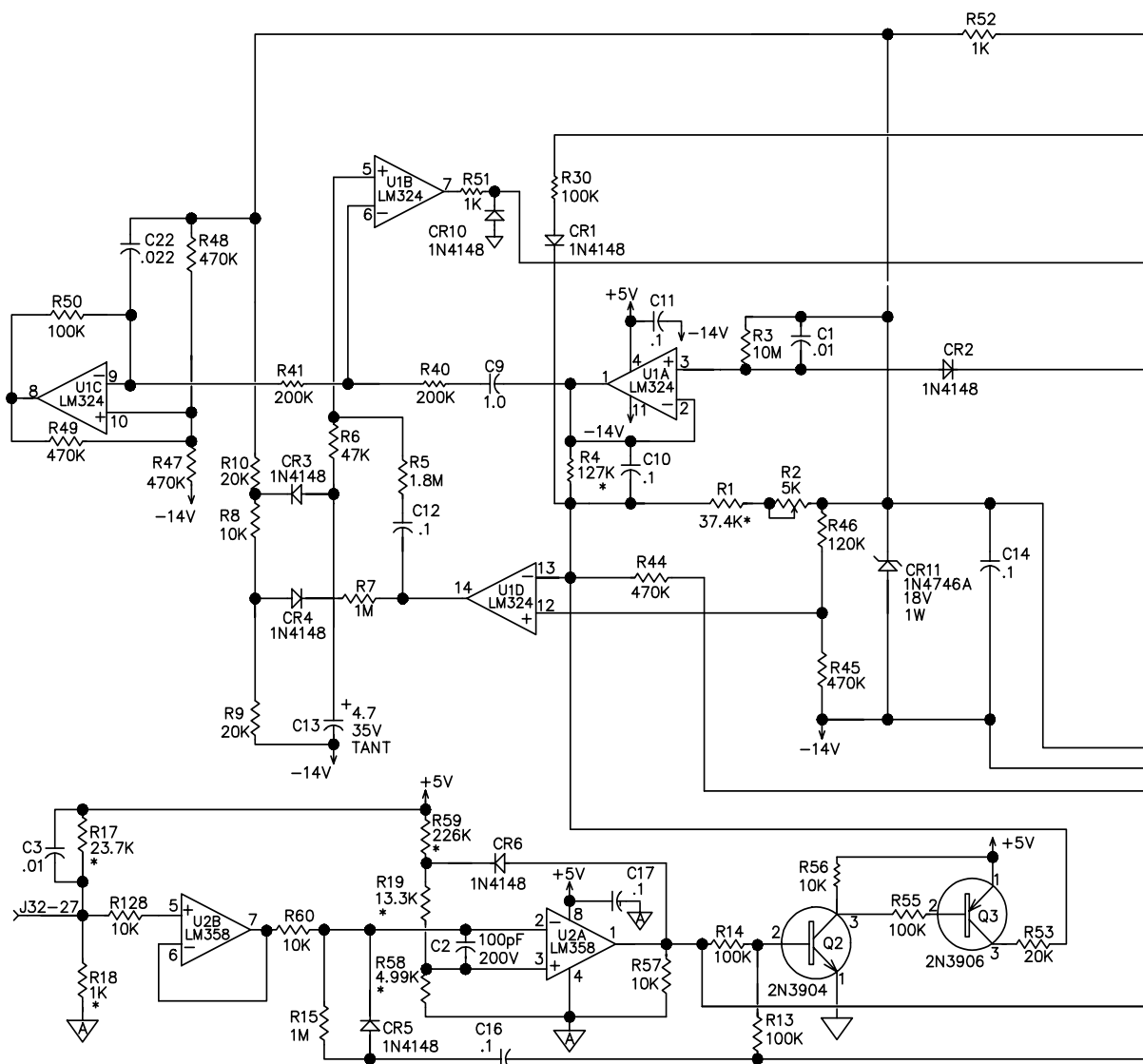
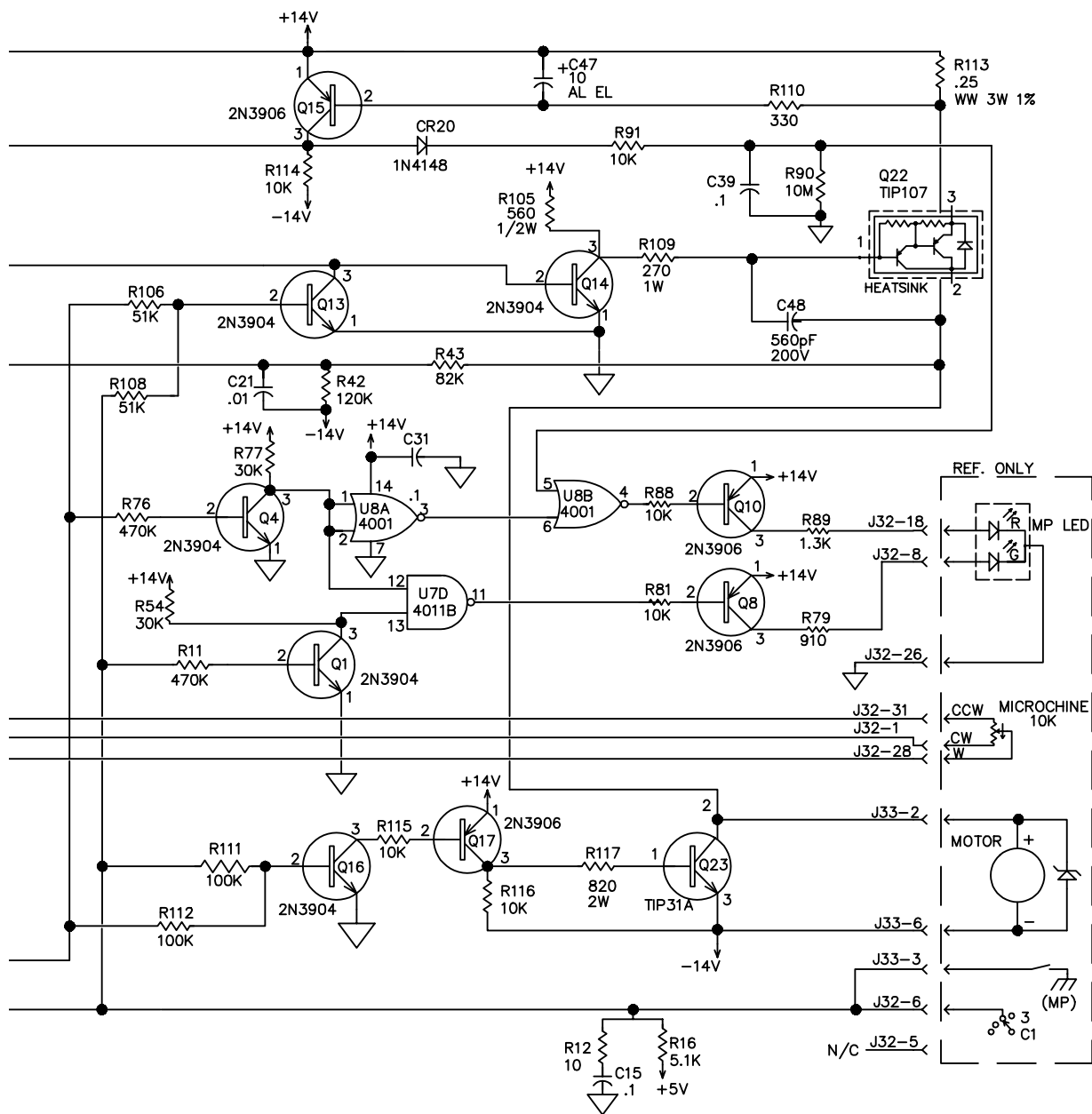


Figure 23. Multifunction PCB Assembly Schematic Cont'd



MICROPROCESSOR PCB ASSEMBLY SCHEMATIC

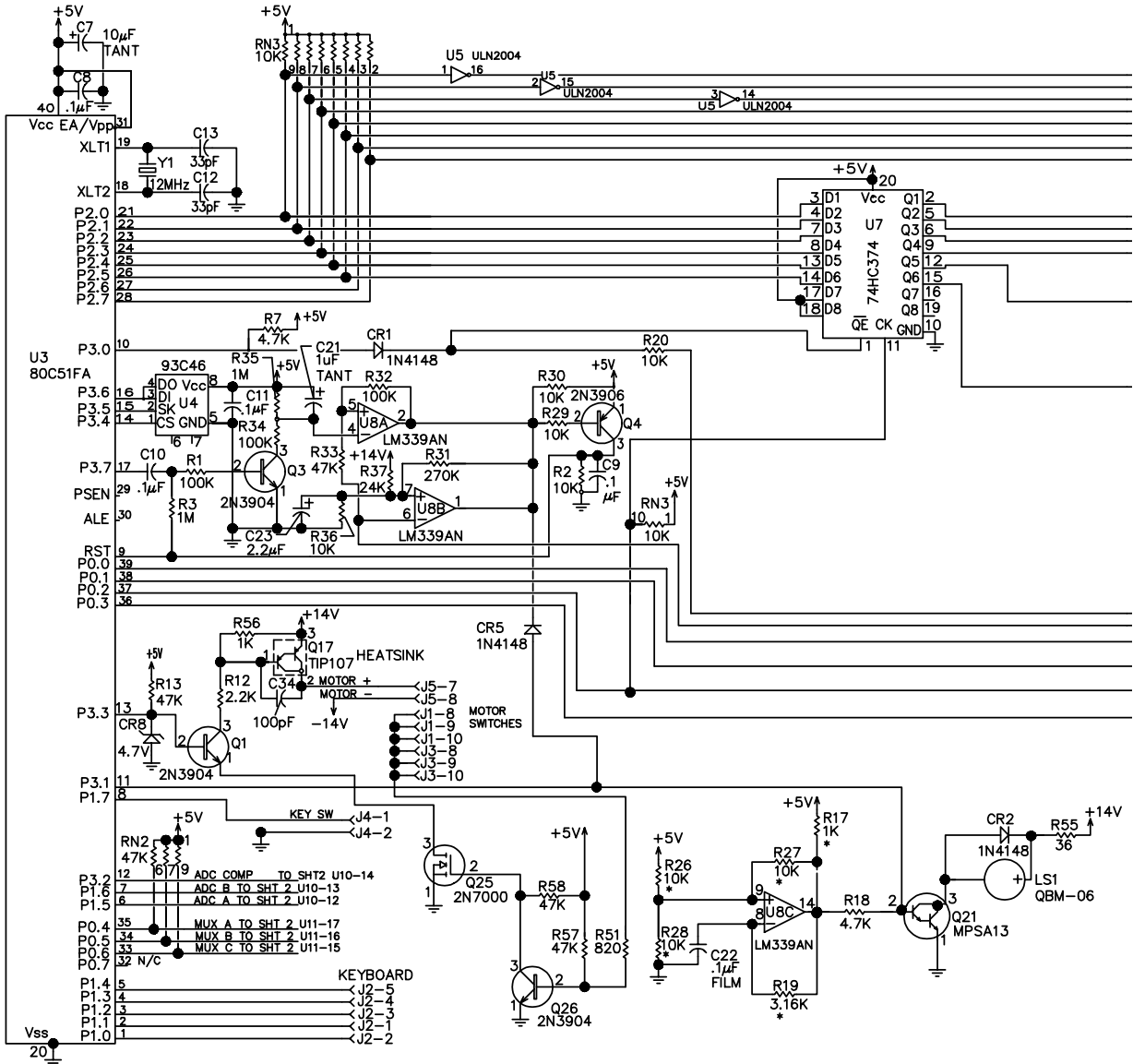
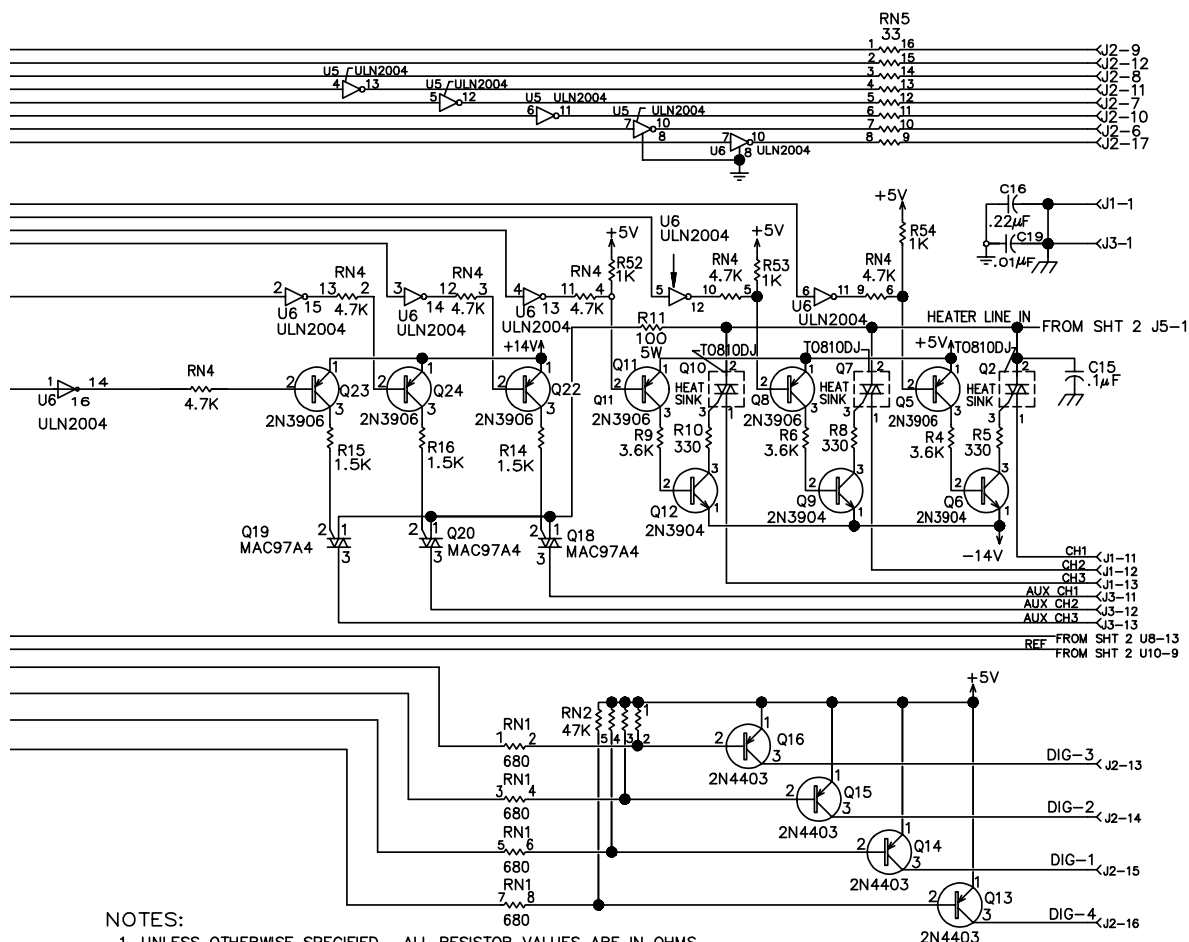


Figure 24. Microprocessor PCB Assembly Schematic



NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR VALUES ARE IN OHMS
2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/4W 5% CARBON FILM
3. UNLESS OTHERWISE SPECIFIED, ALL RESISTOR NETWORKS ARE 1/8W 2%.
4. * DENOTES 1/8W 1% RESISTOR
5. ∇ = ANALOG GROUND
 $\text{---}/\text{---}$ = CHASSIS GROUND
 $\text{---}\perp\text{---}$ = DIGITAL GROUND

TO SHT 2 HEATER RETURN \leftarrow J1-14
 SPARES: J1-15
 N/C 10 8 J1-16
 N/C 8 J3-14
 RN4 N/C 8 N/C J3-15
 N/C 8 N/C J3-16

MICROPROCESSOR PCB ASSEMBLY SCHEMATIC CONT'D

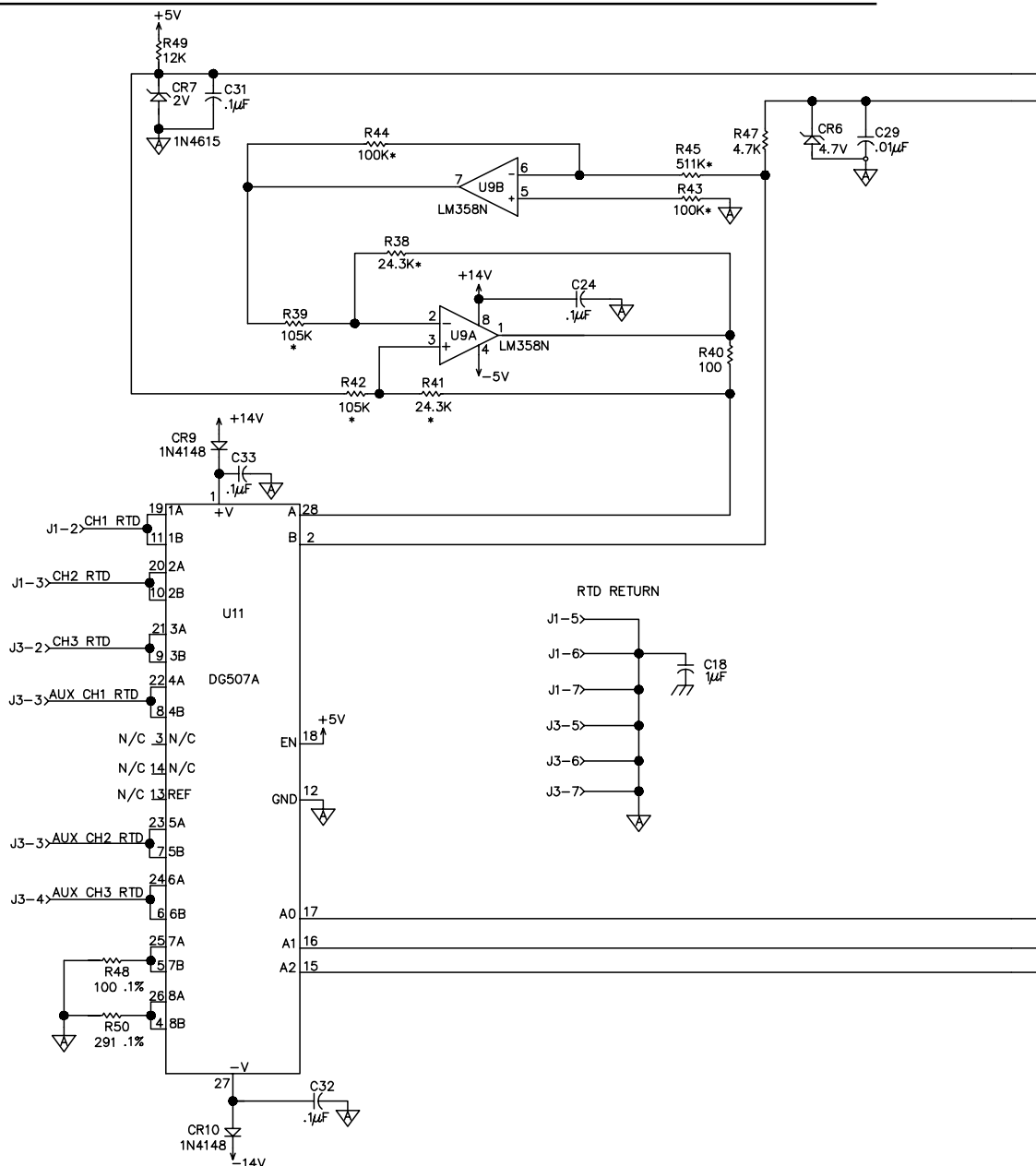
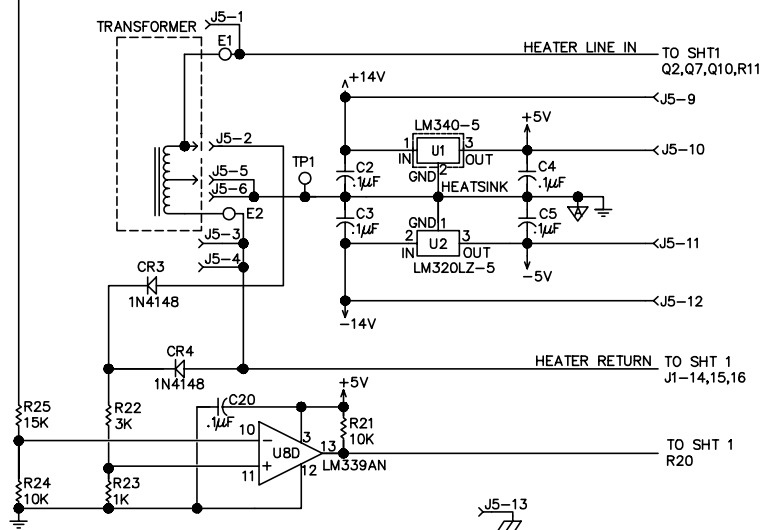
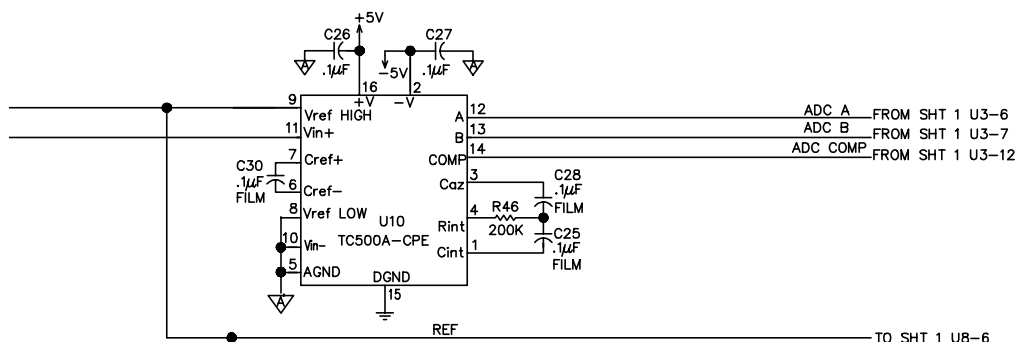


Figure 24. Microprocessor PCB Assembly Schematic Cont'd



MUX A TO SHT 1 U3-35

MUX B TO SHT 1 U3-34

MUX C TO SHT 1 U3-33

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DISPLAY PCB ASSEMBLY SCHEMATIC

Figure 25. Display PCB Assembly Schematic

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ASSEMBLY DRAWING

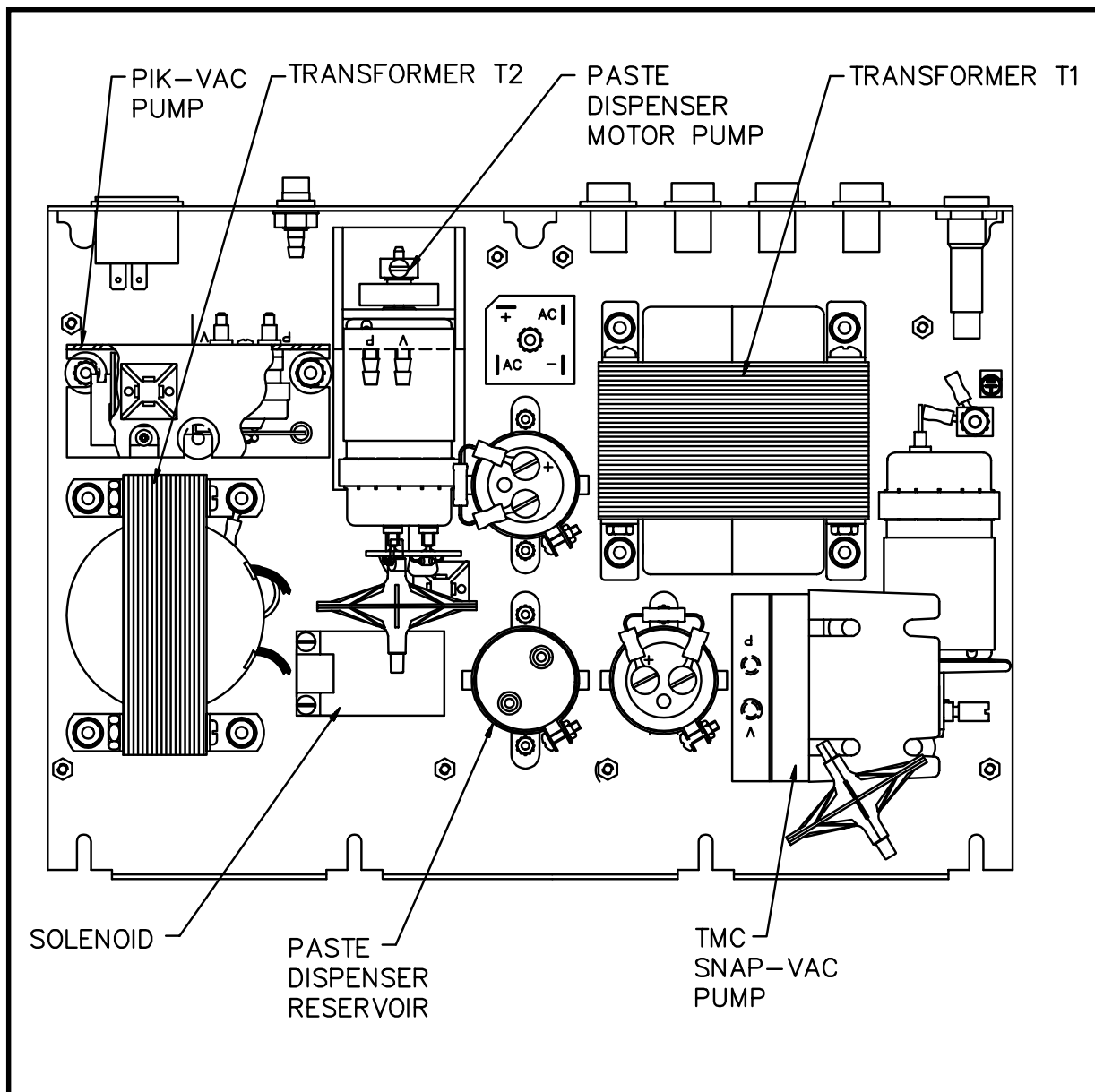


Figure 26. Assembly Drawing

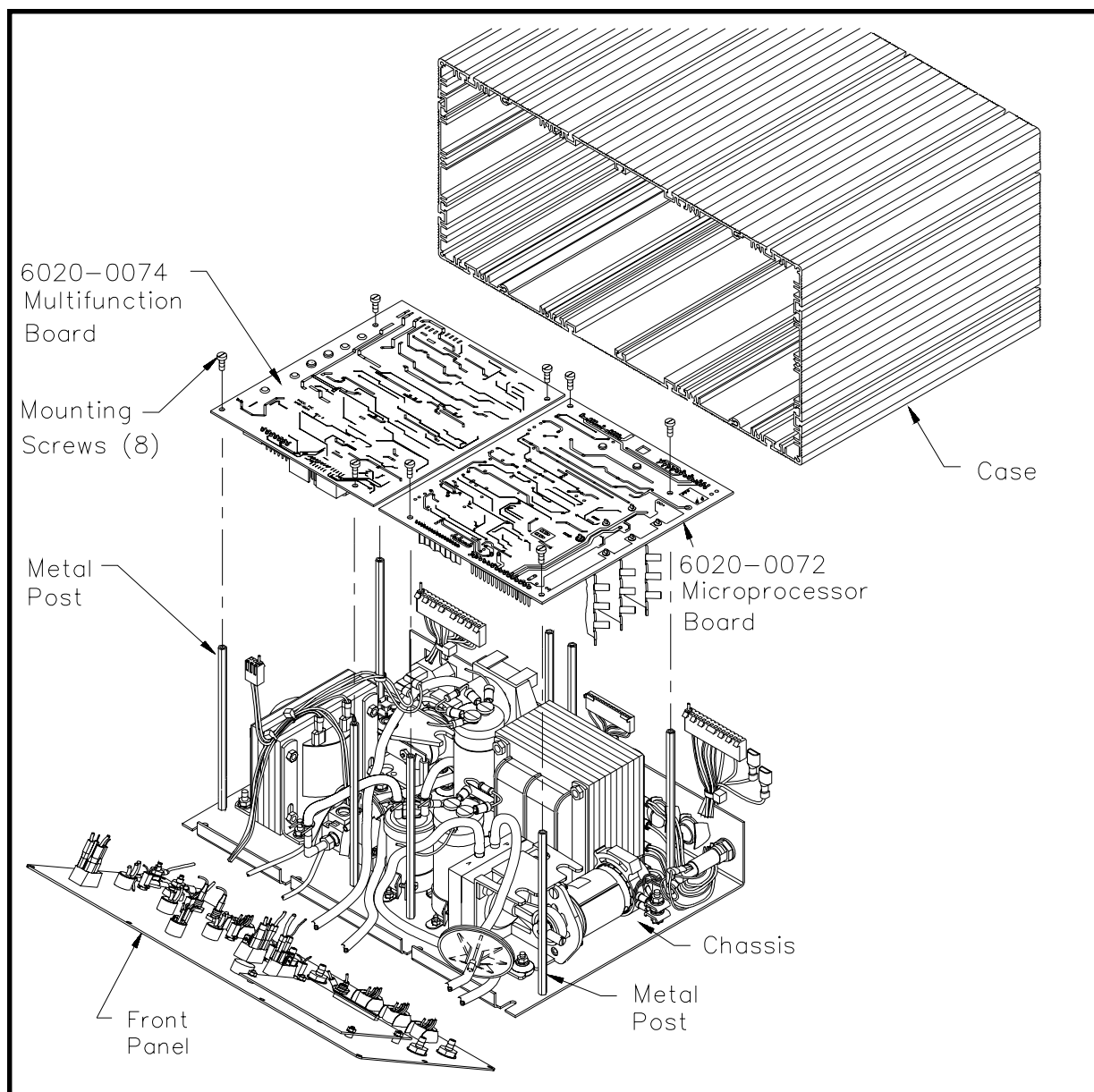


Figure 27. Assembly Drawing Cont'd

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AIR HOSE ROUTING

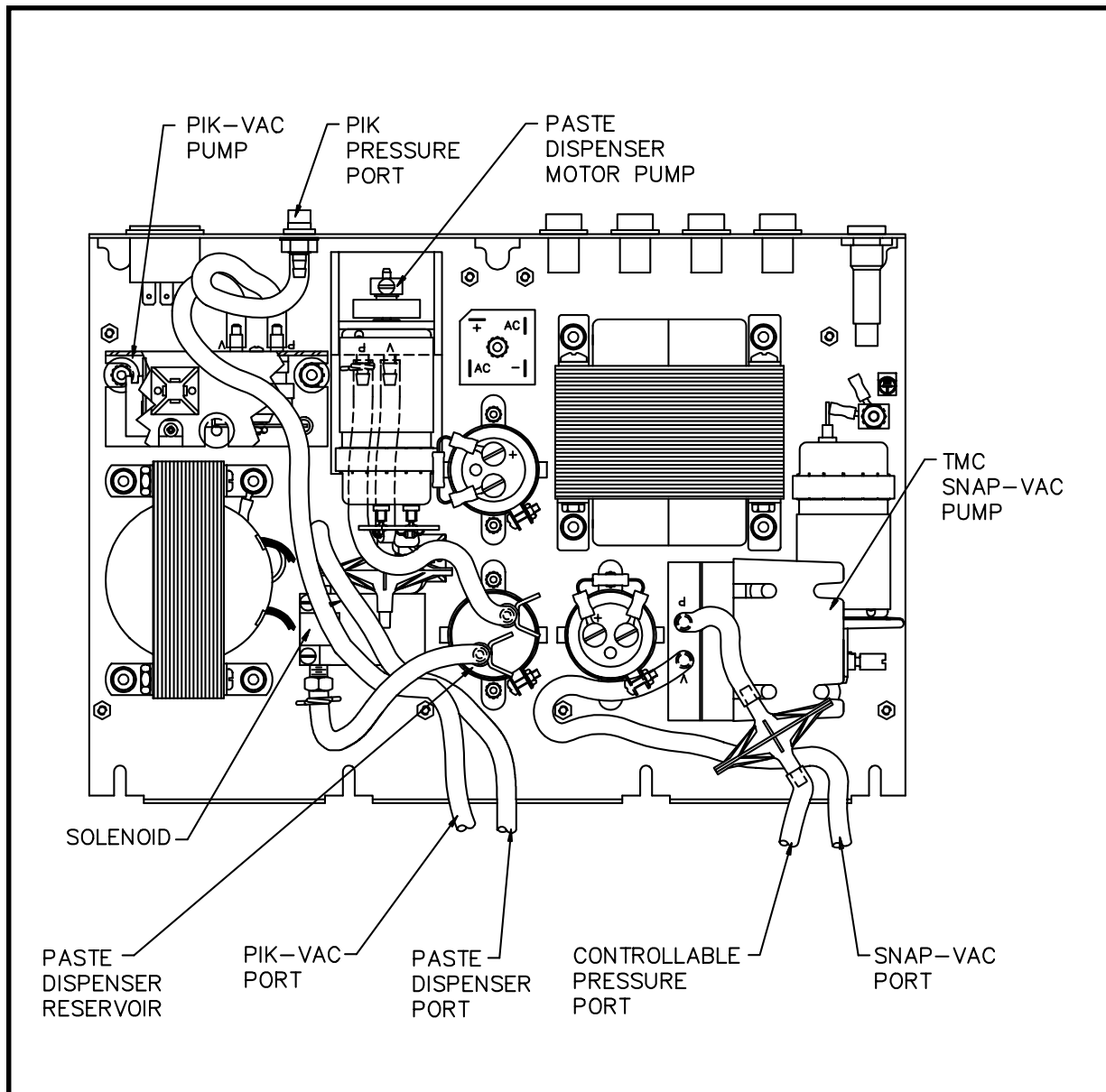


Figure 28. Air Hose Routing

REPLACEMENT PARTS

POWER SOURCE

Listed below are the power source parts which may be ordered directly from PACE sales or your local authorized PACE distributor. Refer to Table IV plus Figures 29-31. For handpiece and accessory replacement parts, refer to Tables V, VI and VII or the associated Operation and Maintenance Manual. To obtain parts other than those shown, contact PACE Customer Service directly at Telephone (301) 490-9860, Fax (301) 604-9215.

ITE NO.	DESCRIPTION	PART NUMBER	
		PPS 400 PPS 400J	PPS 400E
1	Main Power Switch	1157-0052	1157-0052
2	Fuse (F1), 5.0 Amp, Time Lag	1159-0253	
	2.5 Amp, Time Lag		1159-0220
3	Fuse (F2), 12.0 Amp, Fast Acting	1159-0257	1159-0257
4	AC Power Receptacle, Fused	1207-0151	1207-0274
5	Fuseholder	1161-0012	1161-0012
6	Motor Pump Assembly, SNAP-VAC	1336-0028	1336-0028
7	Motor Pump Assembly, Paste Disp.	1336-0027	1336-0027
8	Pump Assembly, Pik-Vac	1334-0021	1334-0021
9	Microprocessor PCB Assembly	6020-0072	6020-0072
10	Multifunction PCB Assembly	6020-0074	6020-0074
11	Display PCB Assembly	6020-0073	6020-0073
12	Pressure Reservoir	1140-0034	1140-0034
13	Solenoid, 12 Volt	1194-0016	1194-0016
14	VisiFilter, External (installed between Snap-Vac Port & handpiece air hose)	1309-0028	1309-0028
15	VisiFilter Replacement Elements	1309-0027-P50	1309-0027-P50
16	VisiFilter, Internal (located inside power source)	1309-0020	1309-0020

Table IV. Power Source Replacement Parts

REPLACEMENT PARTS

POWER SOURCE CONT'D

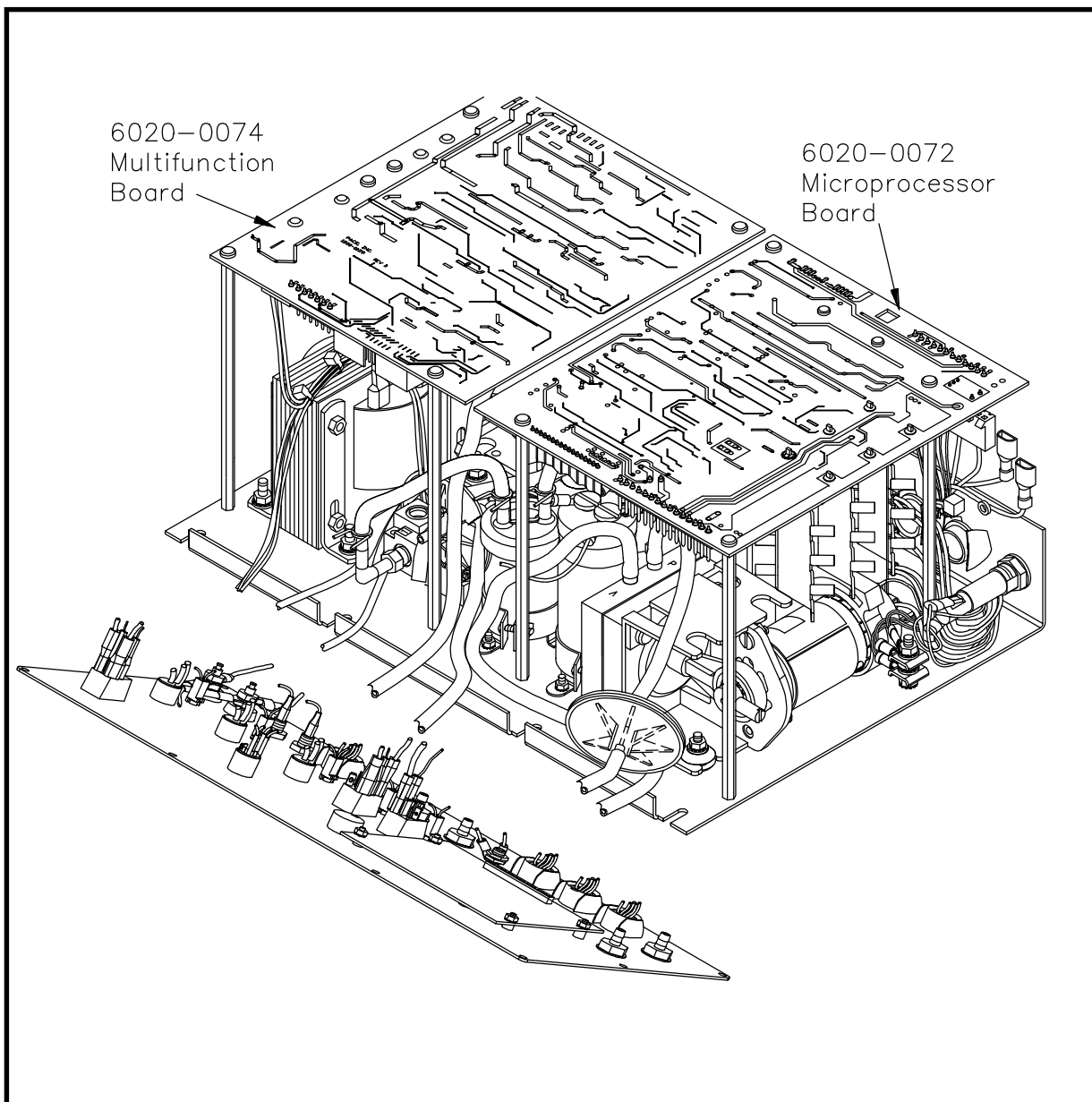


Figure 29. Power Source Replacement Parts

REPLACEMENT PARTS

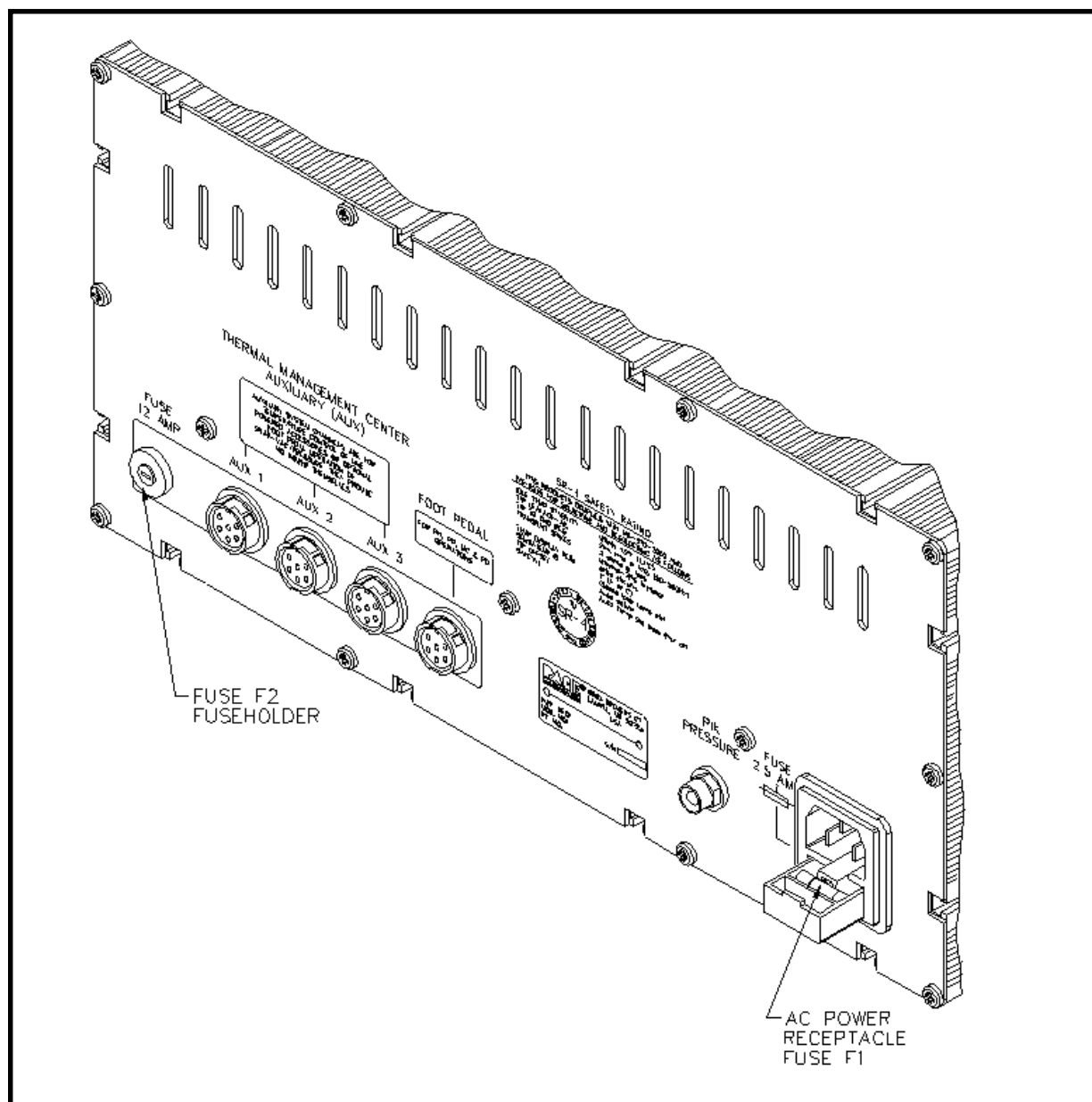


Figure 30. Power Source Replacement Parts Cont'd

REPLACEMENT PARTS

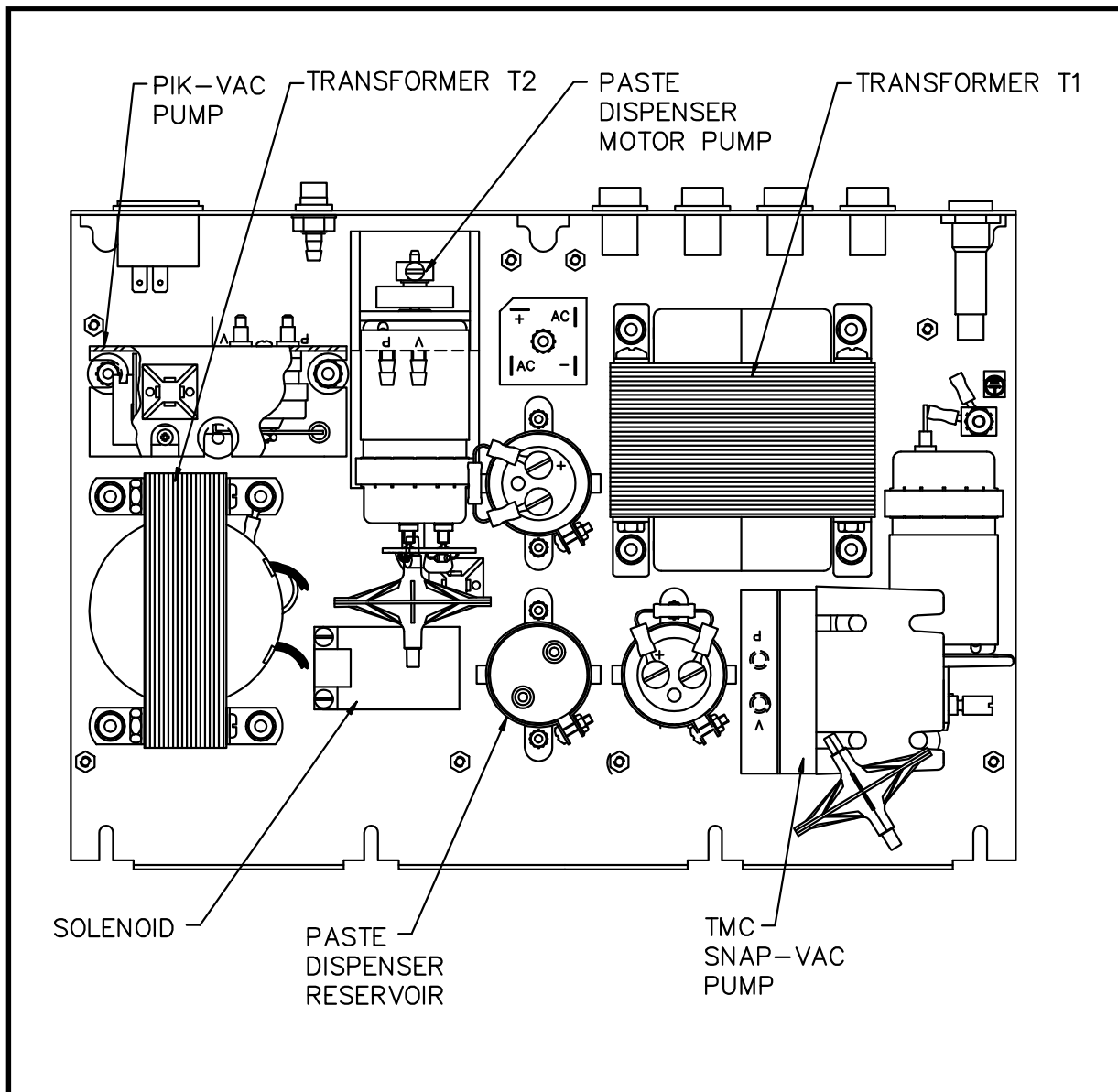


Figure 31. Power Source Replacement Parts Cont'd

REPLACEMENT PARTS

POWER SOURCE ACCESSORIES

ITEM NO.	DESCRIPTION	PART NUMBER
1	Power Cord	
	PRC 2000/J (100 VAC & 115 VAC Systems)	1332-0094
	PRC 2000E (230 VAC Export Systems)	1332-0093
2	Foot Pedal	6008-0115
3	Paste Dispenser Kit	6993-0152
4	Tip Redi-Rak	6021-0007
5	Handpiece Redi-Rak	6019-0023
6	Tip & Temperature Chart Holder Assembly	1257-0186-P1
7	Cleaning Station (Complete)	6021-0006
8	Fiber Cleaning Tool	1100-0232
9	Fiber Filler, Replacement	1127-0013
10	Sponge Cleaning Tool	1100-0233
11	Sponge Filler, Replacement	4021-0006
12	SX Tip & Tool Stand (for air handpieces)	6019-0044
13	SP Tip & Tool Stand (for SP handpieces)	6019-0043
14	ThermoTweez Tip & Tool Stand	6019-0046
15	Paste Dispenser Cubby	6019-0038
16	SMR Cubby	6019-0022

Table V. Power Source Accessories

REPLACEMENT PARTS

HANDPIECES

ITEM NO.	DESCRIPTION	PART NUMBER
1	SX-70 Sodr-X-Tractor Handpiece	6010-0077-P1
2	Heater & Seal Assembly	6010-0080-P1
3	Glass Chamber	1265-0009-P1
4	Filter	1309-0018
5	Heater Set Screw	1348-0547
6	AdapTip	1360-0083-P1
7	SX-65A Sodr-X-Tractor Handpiece	6010-0073-P1
8	Heater & Seal Assembly	6010-0074-P1
9	Glass Chamber	1265-0009-P1
10	Filter	1309-0018
11	Heater Set Screw	1348-0547
12	SP-2A Sodr-Pen Soldering Iron Handpiece (54 Watts)	6025-0014-P1
13	Heater Assembly	6010-0086-P1
14	Heater Set Screw	1348-0547
15	SP-1A Sodr-Pen Soldering Iron Handpiece (37 Watts)	6025-0013-P1
16	Heater Assembly	6010-0085-P1
17	Heater Set Screw	1348-0547
18	TJ-70 Mini ThermoJet Handpiece	7023-0002-P1
19	Heater Assembly	6010-0084-P1
20	Heater Set Screw	1348-0547

Table VI. Replacement Handpieces

REPLACEMENT PARTS

ITEM NO.	DESCRIPTION	PART NUMBER
21	TP-65 ThermoPik Handpiece	7024-0001-P1
22	Heater Assembly	6010-0081-P1
23	Heater Set Screw	1348-0547
24	Vacuum Cups	-----
25	4.4mm (0.175") O.D.	1121-0382-P5
26	7.6mm (0.300") O.D.	1121-0383-P5
27	12.7mm (0.500") O.D.	1121-0384-P5
28	TT-65 ThermoTweez Handpiece	7025-0001-P1
29	Heater Assembly With Sensor	6010-0082-P1
30	Heater Assembly Without Sensor	6010-0083-P1
31	Heater Set Screw	1348-0547
32	Cushion Grip Kit	6993-0155
33	Replacement Pads For Cushion Grips	1317-0029-P2
34	Tip Alignment Tool	1100-0234
35	PV-65 Pik-Vac Handpiece	7027-0001-P1
36	Metal Tip, 45° Angle	1121-0413-P5
37	Vacuum Cups & Tips; See TP-65 Handpiece	-----
38	MC-65 MicroChine Handpiece	7026-0001-P1
39	Probe Brake Patch Cord	1332-0159
40	Deluxe Tool Kit	6005-0013
PULSE HEAT HANDPIECES		
41	CT-15 ConducTweez Handpiece	7020-0001-P1
42	TW-15 ResistTweez Handpiece	7009-0005-P1
43	TS-15 StripTweez Handpiece	7012-0002-P1
44	LF-15 LapFlo Handpiece	7013-0004-02-P1
45	Universal Power Cord	7000-0023
46	Tip Screw, 2-56 x 5/32" Lg. (used on items 41 & 42)	1405-0182

Table VI. Replacement Handpieces Cont'd

REPLACEMENT PARTS

HANDPIECE ACCESSORIES

ITEM NO.	DESCRIPTION	PART NUMBER
1	VisiFilter (replaceable element)	1309-0028
2	VisiFilter Replacement Elements	1309-0027-P50
3	Tubing, Clear PVC, 66" Lg.	1342-0001-14
4	Tubing, Clear PVC, 1 inch long	1325-0003-07
5	Tubing, Silicone, Translucent, 54" Lg.	1342-0001-13
6	Hose Clamps	1321-0085-01-P6
7	Cable Marker Kit	6993-0136
8	Quick Change Hose Mount, Female	1259-0086
9	Quick Change Hose Mount, Male	1259-0087
10	Bristle Brush	1127-0002
11	Wire Brush, 3/16" Diameter	1127-0014
12	Wire Brush, 1/8" Diameter	1127-0006
13	Tip Cleaner Kit	6993-0151
14	Tip Tool	1100-0206
15	PACE Screwdriver	1100-0230

Table VII. Replacement Handpiece Accessories

MANUAL IMPROVEMENT & COMMENT FORM

Instructions

1. Duplicate this form and submit comments on the copy. Keep the original to make future comments.
- 2.
3. Complete all requested information.

Submit completed form to:

PACE Incorporated

Applications Engineering

9893 Brewers Court

Laurel MD 20723-1990 U.S.A.

Fax: (301) 604 - 8782

Document Nbr: **5050-0344**

Revision Level: **C**

Date of Submission:

Nature of Change (Identify page and paragraph and include proposed rewrite, if possible.)

Reason for Recommendation

Submitter:

Name:

Company or Organization:

Mailing Address:

Telephone (Include Area Code)

Voice:

Fax:

Thank you for your comments; they are greatly appreciated!